

USCMS Engineer Status Report for January 2004

Yujun Wu

February 11, 2004

1 Work Performed This Month

1.I spent several days to install, and configure the Alien VO servers on nionimiya. Due to lack of documents and experience on PAM module. Gerald and I spent almost 10 days to solve the authentication problems using certificate. The problem was finally solved after modifying the permission of /etc/shadow and the PAM:Authen worked on January 13. (I was assigned 5% of time on this).

2.VO project: (1).Wrote the document VOMS performance test report: (2).Compiled and installed the new VOMS version 1.2.0 (3).Installed the new version of EDG_VOMS_Admin. It seems there is still some bugs inside. (4).VOMSConnector: added new functionalities to VOMSConnector java class which talks to VOMS_Admin web services. It worked fine with the old version of VOMS_Admin. However, it doesn't work properly any more with the new version of VOMS_Admin after doing the upgrade.

3.Adil Hansen, who worked at SLAC on SRB in PPDG, came to visit me and learn VOMS. He borrowed the VOMSConnector code I wrote to download the VO group/member info and put it into SRB. He is using the VOMS at shahzad.fnal.gov for testing and is working on a python version of the code with the help from Akos.

4.Configuration Monitoring: a web page has been setup on the configuration monitoring tool. Began to collect parameters.

5.MDS investigation project: finished writing the design document and will work on the installation, coding, and testing next month.

6. McRunJob Context Services: I sent the draft design document and got some feedback from Greg after 3 weeks. I made the modification based on Greg's suggestion. I also requested to learn McRunJob from start since Greg asked me to write use case on McRunJob Context Services, but I have never touched McRunJob. I haven't got the further feedback from Greg yet.

7. SAZ server died and it blocked everybody's grid access on ramen. I spent some time to look through it and finally decided to disable it after talking with other people.

2 Status of Deliverables

1. MDS Investigation project: Deliver all the required document and scripts as specified by the Project Definition Form. (Note: I have finished all the assigned work by the time of this writing—2/11/04).

2. Configuration monitoring (1). A feasible study and architecture document will be out by the end of February. (2). ACAT03 paper due by February 14.

3. VO project Installation document and bug report on the new version of VOMS admin and VOMS by the middle of the month.

3 Plans For Next Month

1. MDS Investigation project: I plan to deliver all the required document and scripts as specified by the Project Definition Form. (Note: I have finished all the assigned work by the time of this writing—2/11/04).

2. Configuration monitoring (1). I will collect new parameters and write a feasible study and architecture document. (2). I will submit the ACAT03 paper due by February 14.

3. VO project I was told not to work on this project any more. I will finish the installation document and bug report on the new version requested by Greg.

4. McRunJob Context Service Not sure about Greg's plan since 2 weeks have been passed after revising the new design document.

Since the workload is quite light for me in February, I will start some coding on configuration monitoring tool if time permit.

4 Longer Term Plans

No long term plan. I need discuss with the management.

5 Resources Needed

None.

6 Links To Supporting Documentation

- 1. Configuration monitoring web page:
 - <http://computing.fnal.gov/cms/Monitor/configuration/>
 -
- 2. New version of McRunJob Context Service document
 - http://home.fnal.gov/~yujun/mc_runjob/ContextService_2b.doc
 -
- 3. MDS Investigation project planning document
 - http://home.fnal.gov/~yujun/monitor/MDS_Investigation_1.PDF